

## **ABSTRACT OF THE DISCLOSURE**

- Methods and systems are provided for enabling a virtual network between a first processor and a second processor using at least one additional processor separate from the first and second processors. The additional processor may determine a first virtual address that identifies the first processor in the virtual network and provide the first virtual address to the first processor. When a tunnel between the first processor and the second processor is requested from the additional processor, the additional processor may authenticate the request based on the first virtual address and determine a second virtual address that identifies the second processor in the virtual network.
- 5    After the additional processor authenticates the request and determines that the first and second processors have indicated a mutual consent for enabling one or more tunnels between the first and second processors, the additional processor may provide the second virtual address to the first processor to enable the requested tunnel between the first and second processors.
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